

Appl. No. 09/857,029
Supplemental Amdt. Dated April 21, 2005
Reply to Examiner's Request on April 21, 2005
Attorney Docket No. P11034-US1
EUS/J/P/05-1103

Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A process method for configuring a network termination unit for asynchronous packet ATM (Asynchronous Transfer Mode) transmission of data, said method comprising the steps of:

dividing the data divided into data cells; and

assembling the data cells assembled into packets;

transmitting the packets being transmitted either at a constant data rate CBR or at a non-constant data rate UBR, wherein the data cells of packets being are received and sent over the network termination unit[[.]] which represents an interface between a transmission line and a data end device[[.]];

determining wherein the number of the data cells in each sent or received data packet ~~is determined~~ in the network termination unit, and it is determined therefrom whether an ATM connection with constant CBR or non-constant UBR data rate is present, the data packets of a CBR connection being processed with a higher priority than the data packets of the UBR connection;

determining a class of data connection, wherein adaptation layers with different packet lengths are defined for the transmission of the data packets, ~~where the network termination unit determines a kind of data connection,~~ wherein, on determination of a data packet which contains more than a predefined number of cells, said predefined number being at least two, a UBR packet is detected, and in all other cases a CBR data packet is detected, and the ATM connection is correspondingly classified as a UBR or a CBR connection.

2. (Cancelled)

3. (Currently Amended) The process method according to claim 1, wherein at the beginning of transmission, a CBR connection is always assumed as the initial value.

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4. (Currently Amended) The process method according to claim 1, wherein the presence of a UBR or CBR connection is determined only after the determination of the number of data cells in each of a plurality of data packets.

5. (Currently Amended) The process method according to claim 1, wherein, upon establishing a UBR connection, the network termination unit can optionally be set in the Early Packet Discard (EPD) mode.

6. (Currently Amended) The process method according to claim 1, wherein the data packets detected by the network termination unit as data packets of a UBR connection are fed to a first buffer and the data packets detected by the network termination unit as data packets of a CBR connection are fed to a second buffer.

7. (Cancelled)

8. (Currently Amended) A network termination unit for asynchronous packet ATM (Asynchronous Transfer Mode) transmission of data, said network termination unit comprising:

data processing circuitry operative to:

divide the data ~~divided~~ into data cells; and

assemble the data cells ~~assembled~~ into packets; being

transmit the packets ~~transmitted~~ either at a constant data rate CBR or at a non-constant data rate UBR, wherein the data cells of packets ~~being~~ are received and sent over the network termination unit which represents an interface between a transmission line and a data end device[.];

determine wherein the number of the data cells in each sent or received data packet ~~is determined in the network termination unit, and it is determined~~ determine therefrom whether an ATM connection with constant CBR or non-constant UBR data rate is present, ~~the wherein~~ data packets of a CBR connection ~~being~~ are processed with a higher priority than the data packets of the a UBR connection; and,

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determine a class of data connection, wherein adaptation layers with different packet lengths are defined for the transmission of the data packets, ~~where the network termination unit determines a kind of data connection~~, wherein, on determination of a data packet which contains more than a predefined number of cells, said predefined number being at least two, a UBR packet is detected, and in all other cases a CBR data packet is detected, and the ATM connection is correspondingly classified as a UBR or a CBR connection.

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